

	L #	Search Text	Hits
1	L1	"APPLICATION No. (AN) (BRINGS PRE GRANT PUB INTO SEARCH).:" 10/601,529	1
2	L2	"APPLICANT CITED US PATENT ART (IDS).:" ("5765826" 2002/0081124 "6523821" 2003/0057634 2003/0080497 ).pn.	4
3	L3	("3827803"   "4124204"   "4433905"   "4447097"   "4852869"   "4953846"   "5100119"   "5110103"   "5118093"   "5162857"   "5165571"   "5201518"   "5230503"   "5240238"   "5253854"   "5411246"   "5794928"   "RE32281").PN. OR ("5765826"   "6523821").URPN.	23
4	L4	"ADJACENT STATEMENT SEARCHES FORWARD/BACKWARD CITATIONS OF APPLICANT CITED US PATENT ART (F/B).:"	0
5	L5	"WORD SEARCH FOR MEDIA HANDLING PRODUCTS APPLYING CLAIMED TECHNOLOGY + AN + IDS + F/B + PLUS.:" 1 2 3 4 (copier copiers copying duplicator duplicators duplicating electrophotographic electrophotography electrostatographic electrostatography "reproduction apparatus" "reproduction machine" "reproduction device" photocopier photocopying photocopied xerographic xerography inkjet ink-jet "ink jet" "image forming" "paper handling" "paper processing" printer printers "sheet handling" "sheet processing")	11 21 55 3

	L #	Search Text	Hits
6	L6	"WORD SEARCH FOR MEDIA PRODUCTS HANDLED APPLYING CLAIMED TECHNOLOGY + AN + IDS + F/B + PLUS.:" 1 2 3 4 (card cards copy copies document documents media paper papers photograph photographs sheet sheets flat adj (article articles object objects)substrate substrates)	81 61 77 0
7	L7	"US & IPC CLASSES CONTAINING CLAIMED SHEET HANDLING TECHNOLOGY + AN + IDS + F/B + PLUS.:" 1 2 3 4 "collating.:" "270"/\$.ccls. "sheet handling.:" "271"/\$.ccls. "ink jet.:" "347"/\$.ccls. "copiers.:" "399"/\$.ccls.	20 54 25
8	L8	"MOST RELEVANT US & IPC CLASS + AN +IDS + F/B + PLUS.:" 1 2 3 4 "271"/\$.ccls. B65H\$/\$.ipc.	30 39 24
9	L9	"MOST RELEVANT US & IPC CLASS/SUBCLASS + AN +IDS + F/B + PLUS.:" 1 2 3 4 "Original Classification.:" 271/157.ccls. "Pack Holders.:" 271/145.ccls. B65H001/00.ipc. "Advancer.:" 271/147.ccls. B65H001/08.ipc. "Control of advancer responsive to sensing of foremost sheet.:" 271/152.ccls. B65H001/18.ipc. "With means to replenish pack or retract advancer platform.:" 271/157.ccls. B65H001/26.ipc. "ENCLOSURE, HOUSING, COVER, CASE, MOUNTING.:" "Including cover.:" 399/114.ccls. "Paper path access.:" 399/124.ccls.	12 62 2

	L #	Search Text	Hits
10	L10	"US CLASS/SUBCLASS, PRIMARY REVIEWED + REQUIRED FROM CLASS DEFINITIONS + AN +IDS + F/B + PLUS.:" 1 2 3 4 "Pack Holders.:" 271/145.ccls. "Advancer.:" 271/147.ccls. "Control of advancer responsive to sensing of foremost sheet.:" 271/152.ccls. "With means to replenish pack or retract advancer platform.:" 271/157.ccls.	17 36
11	L11	"APPLICANT(S) NAME(S).:" (makoto near4 izumi).in. (yasuhiro near4 uchida).in. (masaru near4 tanaka).in.	11 74
12	L12	"EXCESSIVE HITS LIMITED TO CLASS OR PRODUCT AREAS IDENTIFIED ABOVE.:" 11 and 5	33 4
13	L13	"EXCESSIVE HITS LIMITED TO CLASS OR PRODUCT AREAS IDENTIFIED ABOVE.:" 11 and 9	38
14	L14	"ASSIGNEE(S) NAME(S).:" (canon ).as.	40 19 52
15	L15	"EXCESSIVE HITS LIMITED TO CLASS OR PRODUCT AREAS IDENTIFIED ABOVE.:" 14 and 9	19 22
16	L16	"EXCESSIVE HITS LIMITED TO CLASS OR PRODUCT AREAS IDENTIFIED ABOVE.:" 14 and 10	17 7

	L #	Search Text	Hits
17	L17	"QUICK ATTEMPT TO FIND ART USING KEY WORD SEARCH.:" (closure closures closing cover covered covers covering coverable door doors lid lids enclosure enclosures) NEAR ("A and B" "at least one" first "more than one" multiple numerous plurality pluralities second) WITH (detect detector detectors detects detecting detectable detection detected sense sensor sensors sensing sensed feeler flag "micro-switch" "micro switch" microswitch optical photocell photocells "photo cell" "photo-cell" "photo detector" photodetector photodectors photoelectric photovoltaic "photo cells" "photo-cells" "photoelectric" "photo electric" "photo-electric" proximity)	89 60
18	L18	"EXCESSIVE HITS LIMITED TO CLASS OR PRODUCT AREAS IDENTIFIED ABOVE.:" 17 AND 5	65 8

	L #	Search Text	Hits
19	L22	"INVENTIVE CONCEPT - WORD/SYNONYM SEARCH.:" (closure closures closing cover covered covers covering coverable door doors lid lids enclosure enclosures) NEAR ("A and B" "at least one" first "more than one" multiple numerous plurality pluralities second) WITH (one single singular sole) NEAR (detector detecting sensor sensing feeler flag "micro-switch" "micro switch" microswitch optical photocell photocells "photo cell" "photo-cell" "photo detector" photodetector photodectors photoelectric photovoltaic "photo cells" "photo-cells" "photoelectric" "photo electric" "photo-electric" proximity)	20 1

	L #	Search Text	Hits
20	L21	<p>"PROBLEM the INVENTION SOLVES - WORD/SYNONYM SEARCH.:" (copier copiers copying duplicator duplicators duplicating electrophotographic electrophotography electrostatographic electrostatography "reproduction apparatus" "reproduction machine" "reproduction device" photocopier photocopying photocopied xerographic xerography inkjet ink-jet "ink jet" "image forming" "paper handling" "paper processing" printer printers "sheet handling" "sheet processing") SAME (bin bins carrier carriers carried carrying cartridge cartridges cassette cassettes compartment compartments container containers hopper hoppers input infeed in-feed magazine magazines "pack holder" "pack holders" "sheet supply" "sheet supplies" shelf shelves store stored storing storage support supported supports supporting tray trays) SAME (fill fills filling filled replenish replenishes replenished replenishing supply supplying supplied) SAME (one single singular sole) NEAR (detector detecting sensor sensing feeler flag "micro-switch" "micro switch" microswitch optical photocell photocells "photo cell" "photo-cell" "photo detector" photodetector photodectors photoelectric photovoltaic "photo cells" "photo-cells" "photoelectric" "photo electric" "photo-electric" proximity)</p>	205

	L #	Search Text	Hits
21	L23	"REMAINING IMAGES IN PRIMARY REVIEWED CLASSIFIED SEARCH AREA.:" 10 NOT (1 2 3 4 13 16 18 22 21)	15 41
22	L24	"INVENTIVE CONCEPT - WORD/SYNONYM SEARCH.:" (closure closures closing cover covered covers covering coverable door doors lid lids enclosure enclosures) SAME (detector detecting sensor sensing feeler flag "micro-switch" "micro switch" microswitch optical photocell photocells "photo cell" "photo-cell" "photo detector" photodetector photodectors photoelectric photovoltaic "photo cells" "photo-cells" "photoelectric" "photo electric" "photo-electric" proximity)	48 40 70
23	L25	"EXCESSIVE HITS LIMITED TO CLASS OR PRODUCT AREAS IDENTIFIED ABOVE.:" 24 AND 23	13 4
24	L26	"INVENTIVE CONCEPT - WORD/SYNONYM SEARCH.:" (closure closures closing cover covered covers covering coverable door doors lid lids enclosure enclosures) SAME (switch switches)	41 07 85
25	L27	"EXCESSIVE HITS LIMITED TO CLASS OR PRODUCT AREAS IDENTIFIED ABOVE.:" 26 AND 23	89
26	L29	"EXCESSIVE HITS LIMITED TO CLASS OR PRODUCT AREAS IDENTIFIED ABOVE.:" 26 AND 23 NOT 25	34

	L #	Search Text	Hits
27	L30	"REMAINING IMAGES IN PRIMARY REVIEWED CLASSIFIED SEARCH AREA.:" 10 NOT (1 2 3 4 13 16 18 22 21 25 27 29)	13 73
28	L31	"QUICK ATTEMPT TO FIND ART USING KEY WORD SEARCH.:" (top right front first A 1 1st one) WITH (barrier barriers blocking closure closures closing cover covered covers covering coverable door doors entrance entrances flap flaps flapper gate gates gated gating inlet inlets lid lids opening outlet outlets) SAME (bottom second B 2 2nd two left back rear other additional) WITH (barrier barriers closure closures closing cover covered covers covering coverable door doors entrance entrances flap flaps flapper gate gates gated gating inlet inlets lid lids opening outlet outlets )	23 77 10 5



	L #	Search Text	Hits
29	L32	"QUICK ATTEMPT TO FIND ART USING KEY WORD SEARCH.:" (top right front first A 1 1st one) WITH (barrier barriers blocking closure closures closing cover covered covers covering coverable door doors entrance entrances flap flaps flapper gate gates gated gating inlet inlets lid lids opening outlet outlets) SAME (bottom second B 2 2nd two left back rear other additional) WITH (barrier barriers closure closures closing cover covered covers covering coverable door doors entrance entrances flap flaps flapper gate gates gated gating inlet inlets lid lids opening outlet outlets ) SAME (detect detector detectors detects detecting detectable detection detected sense sensor sensors sensing sensed switch switches trigger triggers triggered triggering feeler flag "micro-switch" "micro switch" microswitch infrared "non-contact" "non contact" noncontact optic optical photocell photocells "photo cell" "photo-cell" "photo detector" photodetector photodectors photoelectric photovoltaic "photo cells" "photo-cells" "photoelectric" "photo electric" "photo-electric" proximity)	42 28 81
30	L33	"EXCESSIVE HITS LIMITED TO CLASS OR PRODUCT AREAS IDENTIFIED ABOVE.:" 32 AND 9	27 6

	L #	Search Text	Hits
31	L34	"EXCESSIVE HITS LIMITED TO CLASS OR PRODUCT AREAS IDENTIFIED ABOVE.:" 32 AND 5	25 01 4

	L #	Search Text	Hits
32	L35	<p>"QUICK ATTEMPT TO FIND ART USING KEY WORD SEARCH.:" (copier copiers copying electrophotographic electrophotography electrostatographic electrostatography "reproduction apparatus" "reproduction machine" "reproduction device" photocopier photocopying photocopied xerographic xerography printer printers) SAME (top right front first A 1 1st one) WITH (barrier barriers blocking closure closures closing cover covered covers covering coverable door doors entrance entrances flap flaps flapper gate gates gated gating inlet inlets lid lids opening outlet outlets) SAME (bottom second B 2 2nd two left back rear other additional) WITH (barrier barriers closure closures closing cover covered covers covering coverable door doors entrance entrances flap flaps flapper gate gates gated gating inlet inlets lid lids opening outlet outlets ) SAME (detect detector detectors detects detecting detectable detection detected sense sensor sensors sensing sensed switch switches trigger triggers triggered triggering feeler flag "micro-switch" "micro switch" microswitch infrared "non-contact" "non contact" noncontact optic optical photocell photocells "photo cell" "photo-cell" "photo detector" photodetector photodectors photoelectric photovoltaic "photo cells" "photo-cells" "photoelectric" "photo electric" "photo-electric" proximity)</p>	44 86

	L #	Search Text	Hits
33	L36	<p>"QUICK ATTEMPT TO FIND ART USING KEY WORD SEARCH.:" (copier copiers copying electrophotographic electrophotography electrostatographic electrostatography "reproduction apparatus" "reproduction machine" "reproduction device" photocopier photocopying photocopied xerographic xerography printer printers) SAME (top right front first A 1 1st one) WITH (cover covered covers covering door doors lid lids ) SAME (bottom second B 2 2nd two left back rear other additional) WITH (cover covered covers covering door doors lid lids ) SAME (detect detector detectors detects detecting detection detected sense sensor sensors sensing sensed switch switches "micro-switch" "micro switch" microswitch infrared "non-contact" "non contact" noncontact optic optical photocell photocells "photo cell" "photo-cell" "photo detector" photodetector photodectors photoelectric photovoltaic "photo cells" "photo-cells" "photoelectric" "photo electric" "photo-electric" )</p>	13 56

	L #	Search Text	Hits
34	L37	"QUICK ATTEMPT TO FIND ART USING KEY WORD SEARCH.:" (copier copiers copying electrophotographic electrophotography electrostatographic electrostatography "reproduction apparatus" "reproduction machine" "reproduction device" photocopier photocopying photocopied xerographic xerography printer printers) SAME (top right front first 1st one) ADJ (cover covered covers covering door doors lid lids ) SAME (bottom second 2nd two left back rear other additional) ADJ (cover covered covers covering door doors lid lids ) SAME (detect detector detectors detects detecting detection detected sense sensor sensors sensing sensed switch switches "micro-switch" "micro switch" microswitch infrared "non-contact" "non contact" noncontact optic optical photocell photocells "photo cell" "photo-cell" "photo detector" photodetector photodectors photoelectric photovoltaic "photo cells" "photo-cells" "photoelectric" "photo electric" "photo-electric" )	96
35	L38	("3692401"   "4165168"   "4671644"   "6088553"   "6125251").PN. OR ("6647223").URPN.	7
36	L40	"ADJACENT STATEMENT SEARCHES FORWARD/BACKWARD CITATIONS of TAGGED REFERENCES.:"	0

	L #	Search Text	Hits
37	L39	("2659854"   "2693510"   "2763826"   "3378254"   "3398259"   "3521950"   "3555394"   "3692401"   "3741537"   "3768806"   "4086659"   "4111565"   "4165168"   "4332375"   "4671644"   "4674895"   "4776433"   "4785456"   "4801135"   "4852869"   "4856011"   "4934694"   "5163063"   "5264864"   "5301347"   "5335901"   "5396396"   "5428923"   "5570962"   "5634137"   "5640182"   "5657132"   "5676475"   "5912621"   "5993039"   "6052634"   "6088553"   "6092135"   "6125251"   "6160955"   "6191503"   "6289456"   "6304334"   "6519698"   "6721885").PN. OR ("3692401"   "4466604"   "4556210"   "5123637"   "5451039"   "6019532"   "6647223"   "6775018"   "6782471").URPN.	93